

Restated Claims

1. A synthetic urine solution consisting essentially of:
water having a pH between 3 and 10;
creatinine and a biocide, said creatinine and biocide dissolved within said water to form a solution exhibiting a specific gravity and said creatinine and biocide selected in relative concentrations to minimize sepsis; and
at least one dissociated ionic compound also dissolved within said solution to adjust the specific gravity of the solution to between 1.005 g/cm³ and 1.025 g/cm³.
2. The synthetic urine solution of claim 1, also including urea dissolved within said solution.
3. The synthetic urine solution of claim 1, wherein said biocide is selected from the group consisting of an oxidizing biocide, an organic biocide and an in situ agent.
4. The synthetic urine solution of claim 1, wherein said at least one ionic compound is selected from the group consisting of carbonate salts, halide salts, hydroxide salts and bromides.
5. The synthetic urine solution of claim 4, wherein said biocide is selected from the group consisting of an oxidizing biocide, an organic biocide and an in situ agent.
6. The synthetic urine solution of claim 4, further including urea dissolved within said solution.

7. A method of manufacturing a synthetic urine solution comprising:
- providing water;
 - dissolving creatinine and biocide into said water to form a solution exhibiting a specific gravity level, said creatinine and biocide being selected in relative concentrations to minimize sepsis;
 - adjusting said specific gravity level of said solution to between 1.005 g/cm^3 and 1.025 g/cm^3 , and if necessary, adjusting the pH level of the solution to between 3 and 10.
8. The method of claim 7 further comprising sealing said synthetic urine solution within a container so as to further minimize sepsis of said synthetic urine solution.
9. The method of claim 8 wherein said biocide is selected from the group consisting of an oxidizing biocide, an organic biocide and an in situ agent.
10. The method of claim 9 further comprising adding urea to said synthetic urine solution.
11. The method of claim 7 wherein said biocide is selected from the group consisting of an oxidizing biocide, an organic biocide and an in situ agent.
12. The method of claim 7 further comprising adding urea to said synthetic urine solution.
13. A method of manufacturing a synthetic urine solution comprising:

providing water having a pH between 3 and 10;

dissolving creatinine and at least one dissociating ionic compound in the water to form a solution exhibiting a specific gravity, said creatinine and at least one dissociating ionic compound selected in relative concentrations to adjust said specific gravity to between 1.005 g/cm³ and 1.025 g/cm³; and

removing bacteria from said solution.

14. The method of claim 13 wherein the step of dissolving creatinine and at least one dissociating ionic compound also includes dissolving urea in the water, said urea selected in a concentration relative to that of said creatinine and at least one dissociating ionic compound so as to maintain the specific gravity of the solution between 1.005 g/cm³ and 1.025 g/cm³.

15. The method of claim 14 further comprising the step of adding a biocide to said synthetic urine solution.

16. The method of claim 15 wherein said biocide is selected from the group consisting of an oxidizing biocide, an organic biocide and an in situ agent.

17. The method of claim 13 further comprising the steps of adding a biocide to the synthetic urine solution.

18. The method of claim 17 wherein said biocide is selected from the group consisting of an oxidizing biocide, an organic biocide and an in situ agent.

19. The method of claim 13, further comprising the step of sealing said synthetic urine solution within a container.

20. The method of claim 14, further comprising the step of sealing said synthetic urine solution within a container.